

Scaled data based on original data using
LM-46-04 Photometric Testing of Indoor Luminaires Using High Intensity Discharge or
Incandescent Filament Lamps (Reaffirmed 2012)

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: HALO

Report Number: P10835

Luminaire Tested: **L505T639**

Issue Date: 3/3/2020



Test Information

Test Method: LM-46-04
Report Number: P10835
Test Lab: PEACHTREE CITY
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L505T639
Description: STASIS ADJUSTABLE BEAM HID TRACK FIXTURE SPOT
Light Source: BI PIN T6 CLEAR CERAMIC METAL HALIDE LAMP
CMH35/T6/830 35 WATTS
Ballast/Driver: -

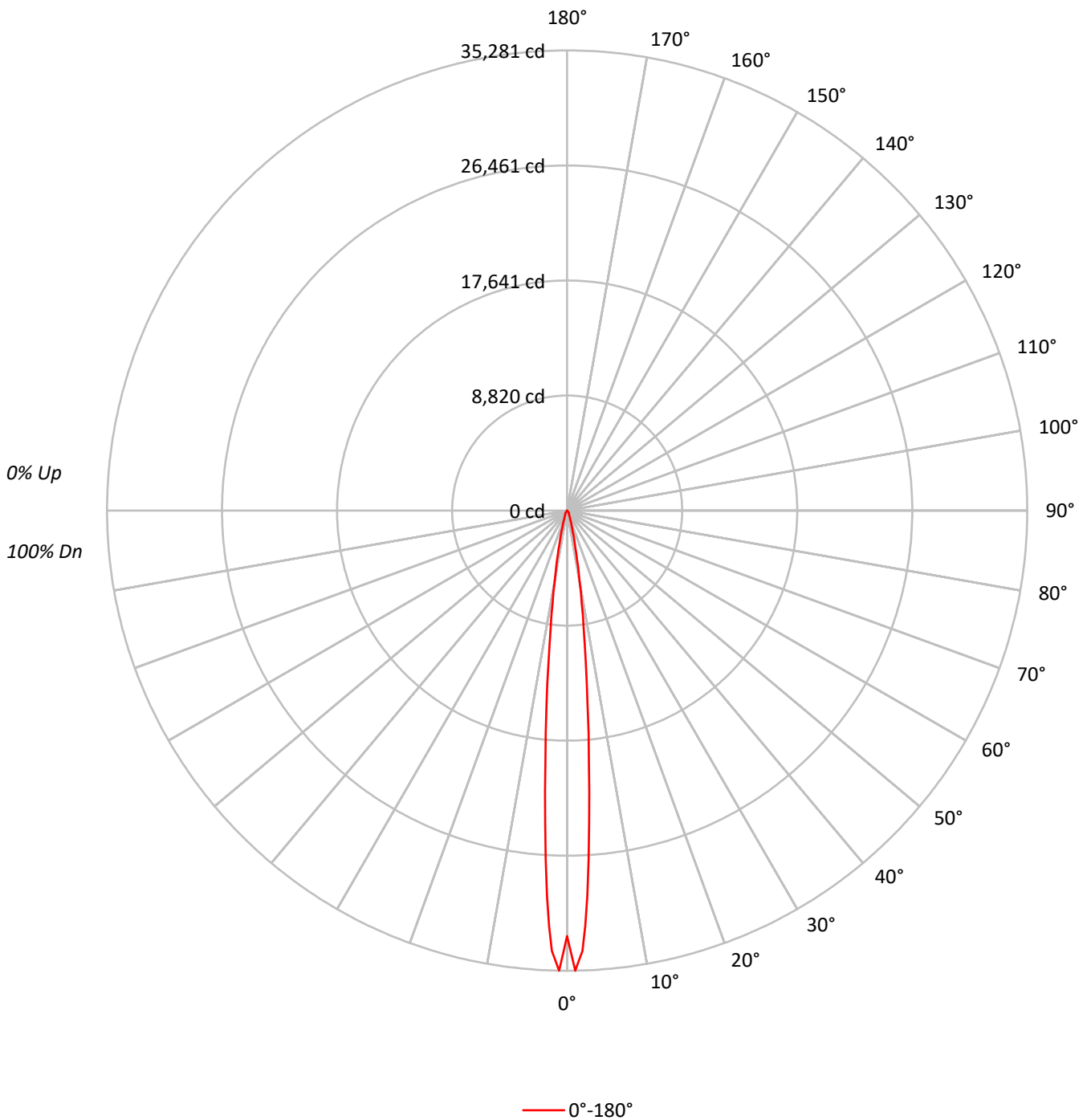
Summary

Lumens per Lamp: 3300 (1 lamp)
Luminaire Lumens: 2265.1 lumens
Efficiency: 68.6%
Efficacy: 64.7 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.21
Luminous Opening: Circular (Dia: 0.42' x H: 0')
CIE Type: Direct

Input Watts (W): 35
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20	
RC	80					70					50					30					10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	82	82	82	82	80	80	80	80	76	76	76	73	73	73	70	70	70	69	69	68	67	
1	79	78	77	76	78	77	76	75	74	73	72	71	71	70	69	69	68	67	66	66	64	
2	77	75	73	72	76	74	72	71	72	70	69	70	69	68	68	67	66	66	65	64	63	
3	75	72	70	68	74	71	70	68	70	68	67	68	67	66	67	66	65	64	63	62	62	
4	73	70	68	66	72	69	67	66	68	66	65	67	65	64	66	65	64	63	62	61	60	
5	72	68	66	64	71	68	65	64	67	65	63	66	64	63	65	63	62	61	60	59	58	
6	70	67	64	62	69	66	64	62	65	63	62	64	63	61	64	62	61	60	59	58	57	
7	69	65	63	61	68	65	62	61	64	62	61	63	62	60	63	61	60	59	58	57	56	
8	67	64	61	60	67	63	61	60	63	61	59	62	60	59	62	60	59	58	57	56	55	
9	66	62	60	59	66	62	60	59	62	60	58	61	59	58	61	59	58	57	56	55	54	
10	65	61	59	58	65	61	59	58	61	59	57	60	59	57	60	58	57	56	55	54	53	

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2574500
5°	1521534
10°	444400
15°	136645
20°	54101
25°	30050
30°	25887
35°	22261
40°	5565
45°	3349
50°	1965
55°	1239
60°	947
65°	747
70°	692
75°	610
80°	455
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	1391.3	61.4	42.2
10°-20°	538.4	23.8	16.3
20°-30°	175.7	7.8	5.3
30°-40°	120.6	5.3	3.7
40°-50°	23.8	1.1	0.7
50°-60°	8.7	0.4	0.3
60°-70°	4.1	0.2	0.1
70°-80°	2.1	0.1	0.1
80°-90°	0.4	0.0	0.0
90°-100°	0.0	0.0	0.0
100°-110°	0.0	0.0	0.0
110°-120°	0.0	0.0	0.0
120°-130°	0.0	0.0	0.0
130°-140°	0.0	0.0	0.0
140°-150°	0.0	0.0	0.0
150°-160°	0.0	0.0	0.0
160°-170°	0.0	0.0	0.0
170°-180°	0.0	0.0	0.0
0°-30°	2105.4	92.9	63.8
0°-40°	2226.0	98.3	67.5
0°-60°	2258.5	99.7	68.4
0°-90°	2265.1	100.0	68.6
90°-120°	0.0	0.0	0.0
90°-150°	0.0	0.0	0.0
90°-180°	0.0	0.0	0.0
0°-180°	2265.1	100.0	68.6

CANDELA DISTRIBUTION:

	0°	Flux
0°	32613	
5°	19201	###
15°	1672	538
25°	345	176
35°	231	121
45°	30	24
55°	9	9
65°	4	4
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	32613
1°	35281
2°	33781
2.5°	31857
3°	29589
4°	24040
5°	19201
6°	15082
7°	11707
7.5°	10381
8°	9190
9°	7157
10°	5544
11°	4365
12°	3347
12.5°	3003
13°	2708
14°	2137
15°	1672
16°	1343
17°	1086
17.5°	988
18°	900
19°	762
20°	644
21°	555
22°	484
22.5°	454
25°	345
27.5°	303
30°	284
32.5°	261
35°	231
37.5°	126
40°	54
42.5°	37
45°	30
47.5°	23
50°	16
52.5°	11
55°	9
57.5°	8
60°	6
62.5°	5
65°	4



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	3
70°	3
72.5°	2
75°	2
77.5°	2
80°	1
82.5°	1
85°	0
87.5°	0
90°	0

(END OF REPORT)